

How does transportation to the New York Area Sport Stadiums affect the level of pollution they produce?

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**BACKGROUND:** The State of New York is filled with amazing sporting facilities. Unfortunately with these stadiums comes immense pollution to the environment especially with the mode of travel to the stadiums.

**METHODS:** A survey was used to gain public knowledge about their travel preferences to the stadiums. Furthermore, this study will determine the amount of parking spaces, stadium capacity, the stadium’s distance from mass transit, and most importantly the Air Quality index (AQI) surrounding the stadium.

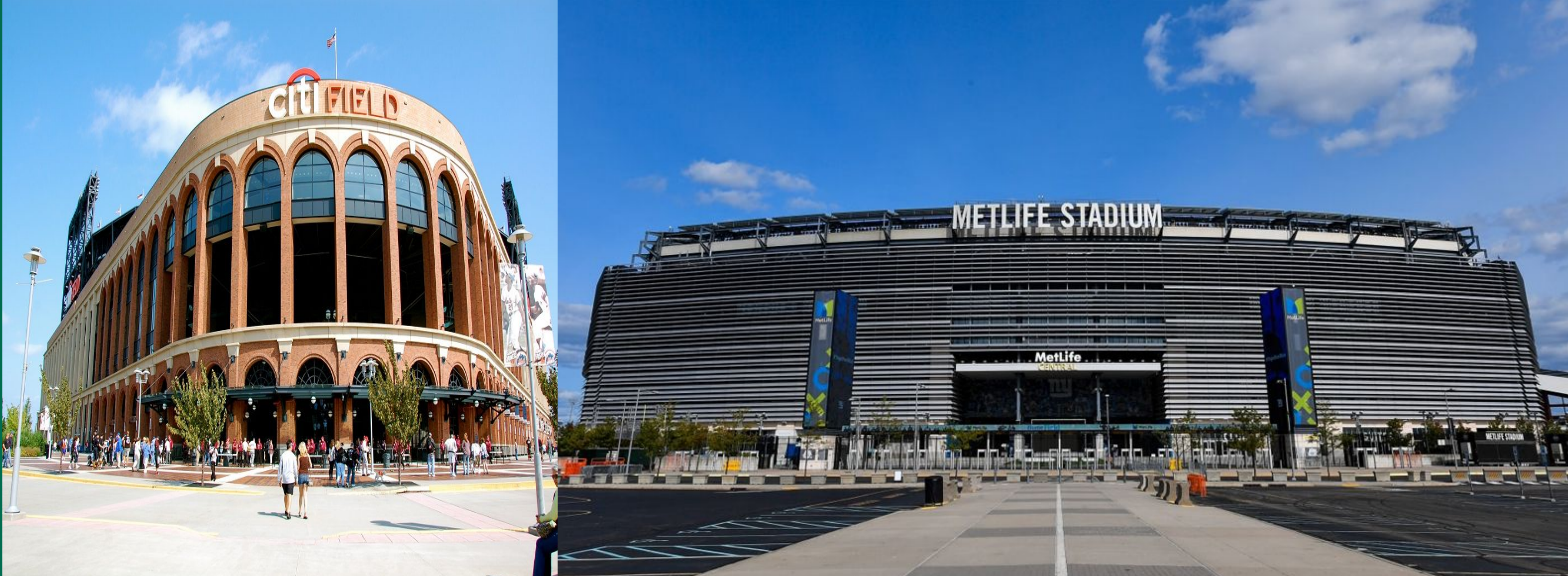
**RESULTS:** This study has found that the further away a stadium is from mass transit, the more car dependent it will be. Cars emit 170 CO2e’s of greenhouse gases causing stadiums that need cars to get there to be more harmful to the environment.

The further a stadium is from mass transit, the more car dependant it will be, causing a higher number of greenhouse gases to surround the stadium.

| Stadium               | Percentage of Cars Used | Distance from mass transit |
|-----------------------|-------------------------|----------------------------|
| Highmark Stadium      | 91%                     | 16.9 miles                 |
| Metlife Stadium       | 71.8%                   | 8.2 miles                  |
| Citi Field            | 55.9%                   | 0.08 miles                 |
| UBS Arena             | 44.5%                   | 0.5 miles                  |
| Yankee Stadium        | 27.8%                   | 0 miles                    |
| Madison Square Garden | 15%                     | 0 miles                    |

Take the Survey!





Most harmful to least harmful to the environment according to this study

- 1.Highmark
- 2.MetLife
- 3.Madison Square Garden
- 4.Citi Field
5. Yankee Stadium
6. UBS Arena

| Stadium               | AQI Level                        |
|-----------------------|----------------------------------|
| Citi Field            | 33.2                             |
| Madison Square Garden | 32.4                             |
| Metlife Stadium       | 32.2                             |
| Highmark Stadium      | 30.6                             |
| UBS Arena             | 29.8                             |
| Yankee Stadium        | 28.8                             |
| Mode of Transport     | Amount of Greenhouse Gas emitted |
| Car                   | 170                              |
| Bus                   | 97                               |
| Train/Subway          | 35                               |

Future stadiums should opt to build near mass transit or make their stadiums more walkable.